RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/507,140A_
Source: _PCT_
Date Processed by STIC: _3/9/06_

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PCT

RAW SEQUENCE LISTING   DATE: 03/09/2006
PATENT APPLICATION: US/10/507,140A   TIME: 12:23:16

Input Set : **E:\PUS_E005_105b.txt**
Output Set: **N:\CRF4\03092006\J507140A.raw**

```
   3 <110> APPLICANT: NERI, Dario
   4         MELKKO, Samu
   6 <120> TITLE OF INVENTION: Encoded Self-Assembling Chemical Libraries
(Esachel)
   8 <130> FILE REFERENCE: PUS-E005-105B
  10 <140> CURRENT APPLICATION NUMBER: 10/507,140A
C--> 11 <141> CURRENT FILING DATE: 2004-09-07
  13 <150> PRIOR APPLICATION NUMBER: PCT/EP02/04153
  14 <151> PRIOR FILING DATE: 2002-03-08
  16 <160> NUMBER OF SEQ ID NOS: 28
  18 <170> SOFTWARE: PatentIn version 3.3
  20 <210> SEQ ID NO: 1
  21 <211> LENGTH: 60
  22 <212> TYPE: DNA
  23 <213> ORGANISM: Artificial Sequence
  25 <220> FEATURE:
  26 <223> OTHER INFORMATION: Primer L19VH_Eco_fo
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  35 <213> ORGANISM: Artificial Sequence
  37 <220> FEATURE:
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  43 cagggt                                                                   66
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  48 <212> TYPE: DNA
  49 <213> ORGANISM: Artificial Sequence
  51 <220> FEATURE:
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  61 <211> LENGTH: 69
  62 <212> TYPE: DNA
  63 <213> ORGANISM: Artificial Sequence
  65 <220> FEATURE:
  66 <223> OTHER INFORMATION: Primer L19VL_Hind_ba
  68 <400> SEQUENCE: 4
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 76 <212> TYPE: DNA
 77 <213> ORGANISM: Artificial Sequence
 79 <220> FEATURE:
 80 <223> OTHER INFORMATION: Primer HH10VH_Eco_fo
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 83 tttcacacag aattcattaa agaggagaaa ttaactatgg aggtgaagct gcagcagtct    60
 86 <210> SEQ ID NO: 6
 87 <211> LENGTH: 66
 88 <212> TYPE: DNA
 89 <213> ORGANISM: Artificial Sequence
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: Primer HH10VH_Hind_ba
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 97 cagagt                                                               66
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102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Primer HH10VL_Eco_fo
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111 cca                                                                  63
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116 <212> TYPE: DNA
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119 <220> FEATURE:
120 <223> OTHER INFORMATION: Primer HH10VL_Hind_ba
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125 ggtccccccc                                                           69
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131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: with 5' -thiol
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143 <213> ORGANISM: Artificial Sequence
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146 <223> OTHER INFORMATION: with 3' -thiol
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153 <211> LENGTH: 48
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155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: HyHel10_5SH with 5'-thiol
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165 <211> LENGTH: 48
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170 <223> OTHER INFORMATION: Primer HyHel10_3SH with 3'-thiol
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177 <211> LENGTH: 48
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179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Primer GST_5SH with 5'-thiol
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193 <220> FEATURE:
194 <223> OTHER INFORMATION: Primer GST_3SH with 3'-thiol
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201 <211> LENGTH: 24
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203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Primer 1AB_PCRfo
208 <400> SEQUENCE: 15
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214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
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225 <211> LENGTH: 18
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227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Primer 1B_PCRba
232 <400> SEQUENCE: 17
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237 <211> LENGTH: 39
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Primer typeB_oligo
244 <400> SEQUENCE: 18
245 gcataccgga attcccagca taatgatcgc tatcgctgc                               39
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249 <211> LENGTH: 63
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <221> NAME/KEY: modified_base
255 <222> LOCATION: (40)..(45)
256 <223> OTHER INFORMATION: Primer typeA_oligo with spacer elements n; n =
deoxyribose backbone elements without bases
258 <400> SEQUENCE: 19
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261 tgc                                                                      63
264 <210> SEQ ID NO: 20
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266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Primer CodeABfo
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273 gcataccgga attcccag                                                      18
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277 <211> LENGTH: 18
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Primer CodeABba
284 <400> SEQUENCE: 21
285 cgtcagctcg aattctcc                                                      18
288 <210> SEQ ID NO: 22
289 <211> LENGTH: 29
290 <212> TYPE: DNA
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       291 <213> ORGANISM: Artificial Sequence
       293 <220> FEATURE:
       294 <223> OTHER INFORMATION: Primer with 5' sequence specifically coding a
member of a
       295       sublibrary; where n is a, c, g, or t
       298 <220> FEATURE:
       299 <221> NAME/KEY: misc_feature
       300 <222> LOCATION: (1)..(5)
       301 <223> OTHER INFORMATION: n is a, c, g, or t
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       308 <211> LENGTH: 29
       309 <212> TYPE: DNA
       310 <213> ORGANISM: Artificial Sequence
       312 <220> FEATURE:
       313 <223> OTHER INFORMATION: Primer with a 3' sequence specific for a member
of a library;
       314       where n is a, c, g, or t
       317 <220> FEATURE:
       318 <221> NAME/KEY: misc_feature
       319 <222> LOCATION: (25)..(29)'
       320 <223> OTHER INFORMATION: n is a, c, g, or t
       322 <400> SEQUENCE: 23
W-->   323 ggagcttctg aattctgtgt gctgnnnnn                                      29
       326 <210> SEQ ID NO: 24
       327 <211> LENGTH: 24
       328 <212> TYPE: DNA
       329 <213> ORGANISM: Artificial Sequence
       331 <220> FEATURE:
       332 <223> OTHER INFORMATION: Primer with 5' sequence specific for a chemical
moiety linked to
       333       primer by a biotinylated base analog
       335 <400> SEQUENCE: 24
       336 cagcacacag aattcagaag ctcc                                          24
       339 <210> SEQ ID NO: 25
       340 <211> LENGTH: 48
       341 <212> TYPE: DNA
       342 <213> ORGANISM: Artificial Sequence
       344 <220> FEATURE:
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       353 <212> TYPE: DNA
       354 <213> ORGANISM: Artificial Sequence
       356 <220> FEATURE:
       357 <223> OTHER INFORMATION: Primer with 3' (CH2)6-NH-iminobiotinyl group
       359 <400> SEQUENCE: 26
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       363 <210> SEQ ID NO: 27
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/09/2006
PATENT APPLICATION: US/10/507,140A   TIME: 12:23:17

Input Set : **E:\PUS_E005_105b.txt**
Output Set: **N:\CRF4\03092006\J507140A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; N Pos. 1,2,3,4,5
Seq#:23; N Pos. 25,26,27,28,29

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:19; Line(s) 256

VERIFICATION SUMMARY   DATE: 03/09/2006
PATENT APPLICATION: **US/10/507,140A**   TIME: 12:23:17

Input Set : **E:\PUS_E005_105b.txt**
Output Set: **N:\CRF4\03092006\J507140A.raw**

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0